

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/043076 A1

(51) International Patent Classification⁷: **G01B 21/04**,
11/25

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(21) International Application Number:
PCT/EP2004/009892

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(22) International Filing Date:
4 September 2004 (04.09.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03023402.5 17 October 2003 (17.10.2003) EP

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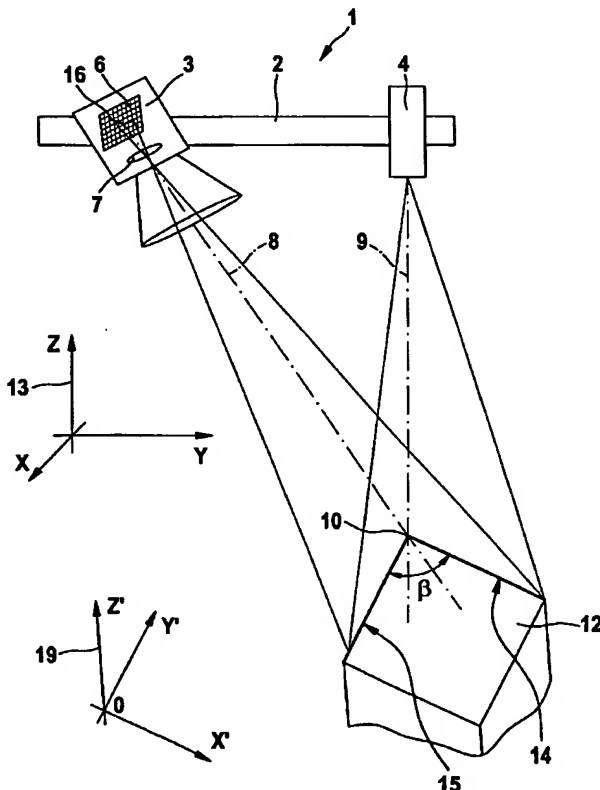
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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: METHOD FOR CALIBRATING A CAMERA-LASER-UNIT IN RESPECT TO A CALIBRATION-OBJECT



(57) Abstract: The invention refers to a method for calibrating a camera-laser-unit (1) in respect to at least one calibration-object (12) disposed at a given position and orientation in a three-dimensional space (13). The camera-laser-unit (1) comprises a laser (4) and a camera (3), wherein the laser (4) and the camera (3) are disposed in a given distance to each other. An optical axis (9) of the laser (4) and an optical axis (8) of the camera (3) include a given angle (α). The camera-laser unit (1) is adapted to record the location, form and/or dimensions of a measurement-object (5). The method has the advantage that the same calibration-object (12) can be used for the calibration of the camera (3) and of the laser (4), wherein first the camera (3) is calibrated using a Tsai-algorithm and then the laser (4) is calibrated in respect to and by making use of the already calibrated camera (3).



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

— *with international search report*